In the Claims

- Claim 1. (Previously Presented) A composite absorbent structure, comprising:
- a. a first wicking layer comprising wettable cellulosic lamellae wherein the first wicking layer exhibits a vertical liquid flux rate value at a height of about 15 centimeters of at least about 0.08 grams of liquid per minute per gram of absorbent structure per meter length of the first wicking layer;
- b. a second retention layer comprising a hydrogel-forming polymeric material; and
- c. a bonding agent that bonds said first wicking layer to said second retention layer to form a composite absorbent structure capable of liquid transport and liquid retention functions at a length of at least about 15 centimeters, a saturated capacity of at least about 5 grams of liquid per gram of composite absorbent structure, and an Absorbent Capacity at 15 cm of at least about 5 grams of liquid per gram of second retention layer.
- Claim 2. (Previously Presented) The composite absorbent structure of Claim 1, wherein said first wicking layer exhibits a vertical liquid flux rate at a height of about 5 centimeters of at least about 0.4 grams of liquid per minute, said first wicking layer exhibits a wicking time of less than about 3.5 minutes, and said first wicking layer, has a basis weight greater than 100 grams per square meter and less than 300 grams per square meter.
- Claim 3. (Original) The absorbent structure of Claim 1, wherein said bonding agent comprises polyhydroxyalkanoate.
- Claim 4. (Withdrawn) The absorbent structure of Claim 1, wherein said bonding agent comprises poly(lactic)acid.
- Claim 5. (Original) The absorbent structure of Claim 1, wherein said hydrogel-forming polymeric material comprises a superabsorbent.
- Claim 6. (Original) The absorbent structure of Claim 1, wherein said first wicking layer exhibits a vertical liquid flux rate value at a height of about 15

centimeters of at least about 0.1 grams of liquid per minute per gram of first wicking layer per meter length of cross-sectional width of said first wicking layer.

- Claim 7. (Original) The absorbent structure of Claim 1, wherein said first wicking layer exhibits a vertical liquid flux rate value at a height of about 15 centimeters of at least about 0.1 grams of liquid per minute per gram of first wicking layer per meter length of cross-sectional width of said first wicking layer.
- Claim 8. (Original) The absorbent structure of Claim 1, wherein said first wicking layer exhibits a vertical liquid flux rate value at a height of about 5 centimeters of at least about 0.4 grams of liquid per minute per gram of first wicking layer per meter length of cross-sectional width of said first wicking layer.
- Claim 9. (Original) The absorbent structure of Claim 1, wherein said first wicking layer exhibits a vertical liquid flux rate value at a height of about 5 centimeters of at least about 0.6 grams of liquid per minute per gram of first wicking layer per meter length of cross-sectional width of said first wicking layer.

Claims 10-18. (Cancelled)

- Claim 19. (Previously Presented) A method of forming a composite absorbent structure, comprising:
- a. providing a first wicking layer of wettable cellulosic lamellae wherein the first wicking layer exhibits a vertical liquid flux rate value at a height of about 15 centimeters of at least about 0.08 grams of liquid per minute per gram of absorbent structure per meter length of the first wicking layer;
- b. providing a second retention layer of a hydrogel-forming polymeric superabsorbent material;
- c. providing a bonding agent that bonds said first wicking layer to said second retention layer; and
- d. combining said first wicking layer, said second retention layer, and said bonding agent to form a composite absorbent structure having a minimum contact intimacy ratio for providing a liquid transport function and a liquid retention function such that the first wicking layer and the second retention layer are that the first wicking layer and the second retention layer are combined together in a manner to obtain a contact to achieve liquid transport and liquid retention functions at a length of

at least about 15 centimeters, a saturated capacity of at least about 5 grams of liquid per gram of composite absorbent structure, and an Absorbent Capacity at 15 cm of at least about 5 grams of liquid per gram of second retention layer.

Claim 20. (Previously Presented) The method of forming a composite absorbent structure as set forth in Claim 19, wherein said first wicking layer exhibits a vertical liquid flux rate at a height of about 5 centimeters of at least about 0.4 grams of liquid per minute, said first wicking layer exhibits a wicking time of less than about 3.5 minutes, and said first wicking layer, has a basis weight greater than 100 grams per square meter and less than 300 grams per square meter.

Claim 21. (Previously Presented) The method of forming a composite absorbent structure as set forth in Claim 19, wherein said bonding agent comprises polyhydroxyalkanoate.

Claim 22. (Withdrawn) The method of forming a composite absorbent structure as set forth in Claim 19, wherein said bonding agent comprises poly(lactic)acid.

Claim 23. (Previously Presented) A disposable absorbent product comprising a liquid-permeable top sheet, a back sheet attached to said top sheet, and an absorbent structure positioned between said top sheet and said back sheet, said absorbent structure having a first wicking layer of wettable cellulosic lamellae exhibiting a vertical liquid flux rate value at a height of about 15 centimeters of at least about 0.08 grams of liquid per minute per gram of absorbent structure per meter length of said first wicking layer, a second retention layer of a hydrogel-forming polymeric superabsorbent material, and a bonding agent that bonds said first wicking layer to said second retention layer to form a composite absorbent structure having a minimum contact intimacy ratio for providing a liquid transport function and a liquid retention function such that said first wicking layer and said second retention layer are combined together in a manner to obtain a contact to achieve liquid transport and liquid retention functions at a length of at least about 15 centimeters, a saturated capacity of at least about 5 grams of liquid per gram of composite absorbent structure, and an Absorbent Capacity at 15 cm of at least about 5 grams of liquid per gram of second retention layer.

- Claim 24. (Previously Presented) The composite absorbent structure of Claim 23, wherein said first wicking layer exhibits a vertical liquid flux rate at a height of about 5 centimeters of at least about 0.4 grams of liquid per minute, said first wicking layer exhibits a wicking time of less than about 3.5 minutes, and said first wicking layer, has a basis weight greater than 100 grams per square meter and less than 300 grams per square meter.
- Claim 25. (Original) The absorbent structure of Claim 24, wherein said bonding agent comprises polyhydroxyalkanoate.
- Claim 26. (Withdrawn) The absorbent structure of Claim 24, wherein said bonding agent comprises poly(lactic)acid.